

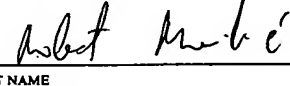
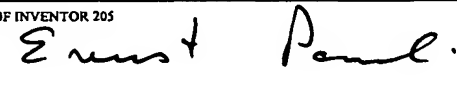
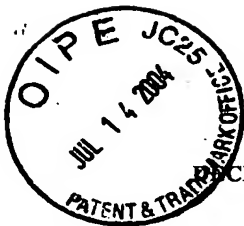


I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

| | | | | | |
|-------------|--|---------------------------------|---|---------------------------------------|---------------------|
| 2 0 1 | FULL NAME OF INVENTOR | LAST NAME DITTMANN | FIRST NAME Rolf | MIDDLE NAME | |
| | RESIDENCE & CITIZENSHIP | CITY Nussbaumen | STATE OR FOREIGN COUNTRY Switzerland | COUNTRY OF CITIZENSHIP Germany | |
| | POST OFFICE ADDRESS | STREET Landstrasse 117 | CITY Nussbaumen | STATE OR COUNTRY Switzerland | ZIP CODE CH-5415 |
| | SIGNATURE OF INVENTOR 201  | | | DATE June 3, 2009 | |
| 2 0 2 | FULL NAME OF INVENTOR | LAST NAME HURTER | FIRST NAME Jonas | MIDDLE NAME | |
| | RESIDENCE & CITIZENSHIP | CITY Baden | STATE OR FOREIGN COUNTRY Switzerland | COUNTRY OF CITIZENSHIP Switzerland | |
| | POST OFFICE ADDRESS | STREET Ursusstrasse 7 | CITY Baden | STATE OR COUNTRY Switzerland | ZIP CODE CH-5400 |
| | SIGNATURE OF INVENTOR 202  | | | DATE 1. June 04 | |
| 2 0 3 | FULL NAME OF INVENTOR | LAST NAME MARMILIC | FIRST NAME Robert | MIDDLE NAME | |
| | RESIDENCE & CITIZENSHIP | CITY Nussbaumen | STATE OR FOREIGN COUNTRY Switzerland | COUNTRY OF CITIZENSHIP Croatia | |
| | POST OFFICE ADDRESS | STREET Kirchweg 55 | CITY Nussbaumen | STATE OR COUNTRY Switzerland | ZIP CODE CH-5415 |
| | SIGNATURE OF INVENTOR 203  | | | DATE 2nd of June 04 | |
| 2 0 4 | FULL NAME OF INVENTOR | LAST NAME MEYLAN | FIRST NAME Pierre | MIDDLE NAME | |
| | RESIDENCE & CITIZENSHIP | CITY Magglingen-Macolin | STATE OR FOREIGN COUNTRY Switzerland | COUNTRY OF CITIZENSHIP Switzerland | |
| | POST OFFICE ADDRESS | STREET Hauptstrasse 203 | CITY Magglingen-Macolin | STATE OR COUNTRY Switzerland | ZIP CODE CH-2532 |
| | SIGNATURE OF INVENTOR 204 | | | DATE | |
| 2 0 5 | FULL NAME OF INVENTOR | LAST NAME PAULI | FIRST NAME Ernst | MIDDLE NAME | |
| | RESIDENCE & CITIZENSHIP | CITY Zürich | STATE OR FOREIGN COUNTRY Switzerland | COUNTRY OF CITIZENSHIP Germany | |
| | POST OFFICE ADDRESS | STREET Restelbergstrasse 103 | CITY Zürich | STATE OR COUNTRY Switzerland | ZIP CODE CH-8044 |
| | SIGNATURE OF INVENTOR 205  | | | DATE 2nd of June 04 | |



DECLARATION FOR NON-PROVISIONAL PATENT APPLICATION*

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below at 201 et seq. beneath my name.

I believe I am the original, first and sole inventor if only one name is listed at 201 below, or an original, first and joint inventor if plural names are listed at 201 et seq. below, of the subject matter which is claimed and for which a patent is sought on the invention entitled

TURBOMACHINE

and for which a patent application:

[X] was filed on April 23, 2004, Application No. 10/830,028

I hereby state that I have reviewed and understand the contents of the above identified application, including the claims, as amended by any amendment referred to above

I acknowledge the duty to disclose information known to me to be material to patentability as defined in Title 37, Code of Federal Regulations, §1.56.

I hereby claim foreign priority benefits under Title 35, United States Code, §119(a)-(d) of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed:

| EARLIEST FOREIGN APPLICATION(S), IF ANY, FILED PRIOR TO THE FILING DATE OF THE APPLICATION | | | | |
|--|-------------|--------------------------------------|---|-----------------------------|
| APPLICATION NUMBER | COUNTRY | DATE OF FILING (day, month, year) | PRIORITY CLAIMED | |
| CH 1989/01 | Switzerland | 30 October 2001 | YES <input checked="" type="checkbox"/> | NO <input type="checkbox"/> |
| | | | YES <input type="checkbox"/> | NO <input type="checkbox"/> |

I hereby claim the benefit under Title 35, United States Code, §119(e) of any United States provisional application(s) listed below.

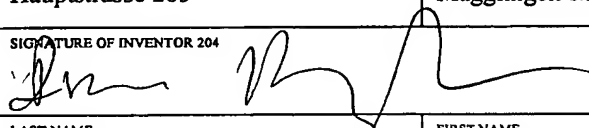
| PROVISIONAL APPLICATION NUMBER | FILING DATE |
|--------------------------------|-------------|
| | |
| | |

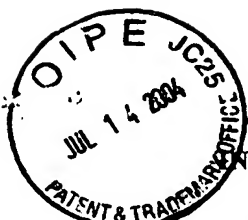
I hereby claim the benefit under Title 35, United States Code, §120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code §112, I acknowledge the duty to disclose information known to me which is material to patentability as defined in Title 37, Code of Federal Regulations, §1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application:

| NON-PROVISIONAL APPLICATION SERIAL NO. | FILING DATE | STATUS | | |
|---|--------------|----------|---------|-----------|
| | | PATENTED | PENDING | ABANDONED |
| PCT/IB02/02884 | 22 July 2002 | | X | |
| | | | | |

* for use only when the application is assigned to a company, partnership or other organization.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

| | | | | | |
|-------------|--|---------------------------------|---|---------------------------------------|---------------------|
| 2 0 1 | FULL NAME OF INVENTOR | LAST NAME DITTMANN | FIRST NAME Rolf | MIDDLE NAME | |
| | RESIDENCE & CITIZENSHIP | CITY Nussbaumen | STATE OR FOREIGN COUNTRY Switzerland | COUNTRY OF CITIZENSHIP Germany | |
| | POST OFFICE ADDRESS | STREET Landstrasse 117 | CITY Nussbaumen | STATE OR COUNTRY Switzerland | ZIP CODE CH-5415 |
| | SIGNATURE OF INVENTOR 201 | | | DATE | |
| 2 0 2 | FULL NAME OF INVENTOR | LAST NAME HURTER | FIRST NAME Jonas | MIDDLE NAME | |
| | RESIDENCE & CITIZENSHIP | CITY Baden | STATE OR FOREIGN COUNTRY Switzerland | COUNTRY OF CITIZENSHIP Switzerland | |
| | POST OFFICE ADDRESS | STREET Ursusstrasse 7 | CITY Baden | STATE OR COUNTRY Switzerland | ZIP CODE CH-5400 |
| | SIGNATURE OF INVENTOR 202 | | | DATE | |
| 2 0 3 | FULL NAME OF INVENTOR | LAST NAME MARMILIC | FIRST NAME Robert | MIDDLE NAME | |
| | RESIDENCE & CITIZENSHIP | CITY Nussbaumen | STATE OR FOREIGN COUNTRY Switzerland | COUNTRY OF CITIZENSHIP Croatia | |
| | POST OFFICE ADDRESS | STREET Kirchweg 55 | CITY Nussbaumen | STATE OR COUNTRY Switzerland | ZIP CODE CH-5415 |
| | SIGNATURE OF INVENTOR 203 | | | DATE | |
| 2 0 4 | FULL NAME OF INVENTOR | LAST NAME MEYLAN | FIRST NAME Pierre | MIDDLE NAME | |
| | RESIDENCE & CITIZENSHIP | CITY Magglingen-Macolin | STATE OR FOREIGN COUNTRY Switzerland | COUNTRY OF CITIZENSHIP Switzerland | |
| | POST OFFICE ADDRESS | STREET Hauptstrasse 203 | CITY Magglingen-Macolin | STATE OR COUNTRY Switzerland | ZIP CODE CH-2532 |
| | SIGNATURE OF INVENTOR 204  | | | DATE MAY, 24, 2009 | |
| 2 0 5 | FULL NAME OF INVENTOR | LAST NAME PAULI | FIRST NAME Ernst | MIDDLE NAME | |
| | RESIDENCE & CITIZENSHIP | CITY Zürich | STATE OR FOREIGN COUNTRY Switzerland | COUNTRY OF CITIZENSHIP Germany | |
| | POST OFFICE ADDRESS | STREET Restelbergstrasse 103 | CITY Zürich | STATE OR COUNTRY Switzerland | ZIP CODE CH-8044 |
| | SIGNATURE OF INVENTOR 205 | | | DATE | |



THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application of: Rolf DITTMANN *et al.* Confirmation No.: Unassigned
Serial No.: 10/830,028 Art Unit: Unassigned
Filed: April 23, 2004 Examiner: Unassigned
For: TURBOMACHINE Attorney Docket No.: 61277-60015

**POWER OF ATTORNEY BY ASSIGNEE
AND EXCLUSION OF INVENTOR(S) UNDER 37 C.F.R. 3.71
WITH STATEMENT UNDER C.F.R. 3.73(b)**

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

The undersigned assignee of the entire interest in the above-identified subject application hereby appoints David R. Yohannan (Reg. No. 37480), Christopher M. Tobin (Reg. No. 40290), John N. Coulby (Reg. No. 43565), Mark W. Rygiel (Reg. No. 45871), Seth A. Watkins (Reg. No. 47169), and Gregory M. Murphy (Reg. No. 52494), all of Collier Shannon Scott, PLLC, whose addresses are 3050 K Street, NW, Suite 400, Washington, DC 20007 (PTO Customer No. 25243), as its attorneys to prosecute this application and to transact all business in the United States Patent and Trademark Office connected therewith, said appointment to be to the exclusion of the inventors and their attorney(s) in accordance with the provisions of 37 C.F.R. 3.71, provided that, if any one of these attorneys ceases being affiliated with the law firm of Collier Shannon Scott, PLLC as partner, counsel, associate, or employee, then the appointment of that attorney and all powers derived therefrom shall terminate on the date such attorney ceases being so affiliated.

Please direct all correspondence for this application to customer no. 25243.

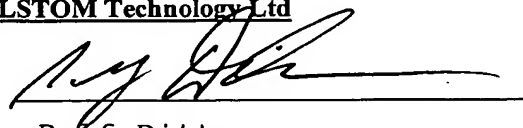
Statement Under 37 C.F.R. 3.73(b)

ALSTOM Technology Ltd states that it is the assignee of the entire right, title, and interest in the patent application/patent identified above by virtue of an assignment from the inventor(s) of the patent application/patent identified above. The assignment is submitted concurrently herewith for recording. A copy of the assignment is attached hereto.

The undersigned (whose title is supplied below) is authorized to act on behalf of the assignee.

ASSIGNEE: ALSTOM Technology Ltd

Date: 02.06.2004

Signature: 

Typed Name: Rolf Dittmann

Position/Title: Authorized Representative

Address: Brown Boveri Str. 7/699/5
CH-5401 Baden
Switzerland

ASSIGNMENT

WHEREAS, We,

Rolf DITTMANN, a citizen of Germany with an address at Landstrasse 117, CH-5415 Nussbaumen, Switzerland, **Jonas HURTER**, a citizen of Switzerland with an address at Ursusstrasse 7, CH-5400 Baden, Switzerland, **Robert MARMILIC**, a citizen of Croatia with an address at Kirchweg 55, CH-5415 Nussbaumen, Switzerland, **Pierre MEYLAN**, a citizen of Switzerland with an address at Hauptstrasse 203, CH-2532 Magglingen-Macolin, Switzerland, and **Ernst PAULI**, a citizen of Germany with an address at Restelbergstrasse 103, CH-8044 Zürich, Switzerland, ASSIGNORS, are the inventors of the invention in **TURBOMACHINE** for which we have executed an application for a Patent of the United States

- ☒ which is executed on even date herewith
- ☒ which is identified by Collier Shannon Scott, PLLC docket no. 61277-60015
- ☒ which was filed in the United States on April 23, 2004 as application no. 10/830,028.

WHEREAS, **ALSTOM Technology Ltd**, a company of Switzerland having a place of business at Brown Boveri Strasse 7, CH-5400 Baden, Switzerland, ASSIGNEE, is desirous of obtaining our entire right, title and interest in, to and under the said invention and the said application:

NOW, THEREFORE, in consideration of the sum of One Dollar (\$1.00) to us in hand paid, and other good and valuable consideration, the receipt of which is hereby acknowledged, we, the said ASSIGNORS, have sold, assigned, transferred and set over, and by these presents do hereby sell, assign, transfer and set over, unto the said ASSIGNEE, its successors, legal representatives and assigns, the entire right, title and interest in, to and under the said invention, and the said United States application and all divisions, renewals and continuations thereof, and all Patents of the United States which may be granted thereon and all reissues and extensions thereof;

AND WE HEREBY authorize and request the Commissioner of Patents and Trademarks of the United States, to issue the same to the said ASSIGNEE, its successors, legal representatives and assigns, in accordance with the terms of this instrument;

AND WE HEREBY covenant and agree that we have full right to convey the entire interest herein assigned, and that we have not executed, and will not execute, any agreement in conflict herewith;

AND WE HEREBY further covenant and agree that we will communicate to the said ASSIGNEE, its successors, legal representatives and assigns, any facts known to us respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing, and reissue applications, make all rightful oaths, and generally do everything possible to aid the said ASSIGNEE, its successors, legal representatives and assigns, to obtain and enforce proper protection for said invention.

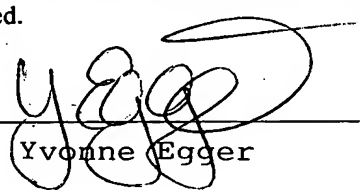
IN WITNESS WHEREOF, the undersigned inventors have affixed their signatures.

X 02.06.2004
Date

X 
Rolf DITTMANN

On this 2nd day of June, 2004, before me appeared **Rolf DITTMANN**, to me known and known to me to be the person of that name, who signed and sealed the foregoing instrument, and acknowledged the same to be his free act and deed.

02.06.2004
Date


Witness Yvonne Egger

Date

1 June 04

Jonas HURTER

Jonas Hurter

On this 1st day of June, 2004, before me appeared **Jonas HURTER**, to me known and known to me to be the person of that name, who signed and sealed the foregoing instrument, and acknowledged the same to be his free act and deed.

Date

01.06.2004

Witness

Yvonne EggerYvonne Egger

Date

2nd of June 04

Robert MARMILIC

Robert Marmilic

On this 2nd day of June, 2004, before me appeared **Robert MARMILIC**, to me known and known to me to be the person of that name, who signed and sealed the foregoing instrument, and acknowledged the same to be his free act and deed.

Date

02.06.2004

Witness

Yvonne EggerYvonne Egger

Date

Pierre MEYLAN

On this day of , 2004, before me appeared **Pierre MEYLAN**, to me known and known to me to be the person of that name, who signed and sealed the foregoing instrument, and acknowledged the same to be his free act and deed.

Date

Witness

Date

2nd of June 04

Ernst PAULI

Ernst Pauli

On this 2nd day of June, 2004, before me appeared **Ernst PAULI**, to me known and known to me to be the person of that name, who signed and sealed the foregoing instrument, and acknowledged the same to be his free act and deed.

Date

02.06.2004

Witness

Yvonne EggerYvonne Egger

ASSIGNMENT

WHEREAS, We,

Rolf DITTMANN, a citizen of Germany with an address at Landstrasse 117, CH-5415 Nussbaumen, Switzerland, **Jonas HURTER**, a citizen of Switzerland with an address at Ursusstrasse 7, CH-5400 Baden, Switzerland, **Robert MARMILIC**, a citizen of Croatia with an address at Kirchweg 55, CH-5415 Nussbaumen, Switzerland, **Pierre MEYLAN**, a citizen of Switzerland with an address at Hauptstrasse 203, CH-2532 Magglingen-Macolin, Switzerland, and **Ernst PAULI**, a citizen of Germany with an address at Restelbergstrasse 103, CH-8044 Zürich, Switzerland, **ASSIGNORS**, are the inventors of the invention in **TURBOMACHINE** for which we have executed an application for a Patent of the United States

- ☒ which is executed on even date herewith
- ☒ which is identified by Collier Shannon Scott, PLLC docket no. 61277-60015
- ☒ which was filed in the United States on April 23, 2004 as application no. 10/830,028.

WHEREAS, **ALSTOM Technology Ltd**, a company of Switzerland having a place of business at Brown Boveri Strasse 7, CH-5400 Baden, Switzerland, **ASSIGNEE**, is desirous of obtaining our entire right, title and interest in, to and under the said invention and the said application:

NOW, THEREFORE, in consideration of the sum of One Dollar (\$1.00) to us in hand paid, and other good and valuable consideration, the receipt of which is hereby acknowledged, we, the said **ASSIGNORS**, have sold, assigned, transferred and set over, and by these presents do hereby sell, assign, transfer and set over, unto the said **ASSIGNEE**, its successors, legal representatives and assigns, the entire right, title and interest in, to and under the said invention, and the said United States application and all divisions, renewals and continuations thereof, and all Patents of the United States which may be granted thereon and all reissues and extensions thereof;

AND WE HEREBY authorize and request the Commissioner of Patents and Trademarks of the United States, to issue the same to the said **ASSIGNEE**, its successors, legal representatives and assigns, in accordance with the terms of this instrument;

AND WE HEREBY covenant and agree that we have full right to convey the entire interest herein assigned, and that we have not executed, and will not execute, any agreement in conflict herewith;

AND WE HEREBY further covenant and agree that we will communicate to the said **ASSIGNEE**, its successors, legal representatives and assigns, any facts known to us respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing, and reissue applications, make all rightful oaths, and generally do everything possible to aid the said **ASSIGNEE**, its successors, legal representatives and assigns, to obtain and enforce proper protection for said invention.

IN WITNESS WHEREOF, the undersigned inventors have affixed their signatures.

Date

Rolf DITTMANN

On this 2nd day of June, 2004, before me appeared **Rolf DITTMANN**, to me known and known to me to be the person of that name, who signed and sealed the foregoing instrument, and acknowledged the same to be his free act and deed.

Date

Witness

Date_____
Jonas HURTER

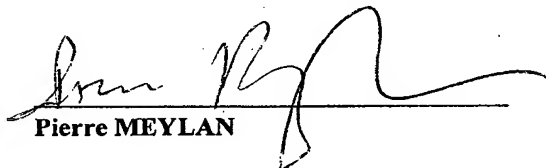
On this _____ day of _____, 2004, before me appeared **Jonas HURTER**, to me known and known to me to be the person of that name, who signed and sealed the foregoing instrument, and acknowledged the same to be his free act and deed.

Date_____
Witness_____
Date_____
Robert MARMILIC

On this _____ day of _____, 2004, before me appeared **Robert MARMILIC**, to me known and known to me to be the person of that name, who signed and sealed the foregoing instrument, and acknowledged the same to be his free act and deed.

Date_____
Witness

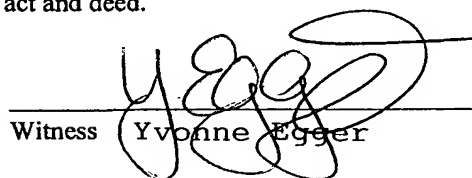
MAY, 24, 2004
Date



Pierre MEYLAN

On this 24 day of May, 2004, before me appeared **Pierre MEYLAN**, to me known and known to me to be the person of that name, who signed and sealed the foregoing instrument, and acknowledged the same to be his free act and deed.

24.05.2004
Date



Witness **Yvonne Egger**

Date_____
Ernst PAULI

On this _____ day of _____, 2004, before me appeared **Ernst PAULI**, to me known and known to me to be the person of that name, who signed and sealed the foregoing instrument, and acknowledged the same to be his free act and deed.

Date_____
Witness